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TI Polystyrene molding materials for making shaped foam products

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AB The cold flexibility of polystyrene (I) [9003-53-6] foam films is increased by extrusion of I contg. 0.1-8% polyisobutylene (II) [9003-27-4] (mol. wt. 1-200 .tim. 103), 0.05-5% C12-30 ester plasticizer, and a hydrocarbon or halo carbon propellant. Thus, a mixt. of I (K-value 59) 350, butyl stearate (III) [123-95-5] 7, II (mol. wt. 3000) 10, pentane 22, and citric acid 2 parts is extruded at 140.deg. to d. 150 g/l., and further expanded in 97.deg. H2O to density 60 g/l., thickness 3 mm. In cold forming, the resulting film has lengthwise and crosswise extendability 22 and 24%, resp., compared with 10 and 8%, resp., for film contg. no II or III.

IT 9003-53-6

RL: PRP (Properties)

(contg. polyisobutylene and plasticizers, molding properties of)

IT 9003-27-4

RL: USES (Uses)

(styrene polymer contg. plasticizers and, molding properties of)

IT 123-95-5 26761-40-0

RL: USES (Uses)

(styrene polymers contg. polyisobutylene and, molding properties of)